

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Daniel Krähmer, et al.

Application No.: 10/743,815

Filing Date: December 24, 2003

Title: Projection Optical System

Group Art Unit: Unassigned

Examiner: Unassigned

Confirmation No.: 1725

**FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- No additional fee for submission of an IDS is required.
- The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- Charge _____ to Deposit Account No. 02-4800 for the fee due.
- A check in the amount of _____ is enclosed for the fee due.
- Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: April 19, 2004

By



Douglas H. Pearson
Registration No. 47,851

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Daniel Krähmer, et al.) Group Art Unit: Unassigned
Application No.: 10/743,815) Examiner: Unassigned
Filed: December 24, 2003) Confirmation No.: 1725
For: Projection Optical System)

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

FIRST Information Disclosure Statement

Application No. 10/743,815

Attorney's Docket No. 007413-071

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To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

The undersigned has been informed that, of the following documents listed on the attached PTO-1449 form, DE 101 59 959 corresponds to US 20030119652, DE 101 59 961 corresponds to US 20030115905, and DE 101 59 962 corresponds to US 20030115904. In addition, with regard to the Khotimchenko et al. article listed on the attached PTO-1449 form, an English-language summary appears at the end of the document.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date April 19, 2004

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Douglas H. Pearson
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P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Substitute for form 1449A/PTO & 1449B/PTO				<i>Complete if Known</i>	
FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/743,815
Sheet	1	of	1	Filing Date	December 24, 2003
				First Named Inventor	Daniel Krähmer, et al.
				Examiner Name	Unassigned
				Attorney Docket Number	007413-071

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,295,841	B1	Allan et al.	10-02-2001
	6,339,505	B1	Bates	01-15-2002
	6,543,254	B2	Allan et al.	04-08-2003
	5,296,891		Vogt et al.	03-22-1994
	5,523,193		Nelson	06-04-1996
	5,229,872		Mumola	07-20-1993
	2003/0115904	A1	Kuhn et al.	06-26-2003
	2003/0051507	A1	Ikuta et al.	03-20-2003
	2003/0115905	A1	Kuhn et al.	06-26-2003
	2003/0119652	A1	Kuhn et al.	06-26-2003
	2001/0030798	A1	Fujinoki et al.	10-18-2001

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No
	1235091	A2	EP	08-28-2002		
	10159959	A1	Germany	06-26-2003		X
	10159961	A1	Germany	06-26-2003		X
	10159962	A1	Germany	07-03-2003		X
	0483752	B1	EP	05-06-1992		

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	C. VAN PESKI, "Behavior of Fused Silica Under 193 nm Irradiation", International Sematech publication, Technology Transfer #00073974A-TR, July 25, 2000, International Sematech.
	J. M. ALGOTS et al., "Compaction and Rarefaction of Fused Silica with 193-nm Excimer Laser Exposure", Optical Microlithography XVI, February 25-28, 2003, final draft submitted for Proceedings of SPIE Vol. #5040, corresponding pages 1639-1650, SPIE - The International Society for Optical Engineering.
	V.S. KHOTIMCHENKO, et al., "Determining the Content of Hydrogen Dissolved in Quartz Glass Using the Methods of Raman Scattering and Mass Spectrometry", Zhurnal Prikladnoi Spektroskopii, 46(6), Pages 987-991, 1986 (with English-language summary at end).
	D.M. DODD, et al., "Optical Determinations of OH in Fused Silica", J. Appl. Physics, page 3911, 1966.

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.